1/8



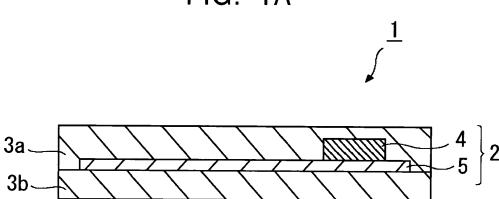


FIG. 1B

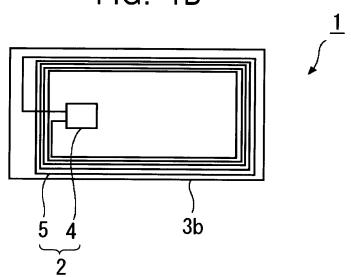


FIG. 2A

REGISTER GROUP

DES PROCESSING CIRCUIT

DES CALCULATION CORE CIRCUIT

FIG. 2B

ECC PROCESSING CIRCUIT

REGISTER GROUP

ECC CALCULATION CORE CIRCUIT

FIG. 2C

SHA-1 PROCESSING CIRCUIT

REGISTER GROUP

SHA-1 CALCULATION CORE CIRCUIT

FIG. 2D

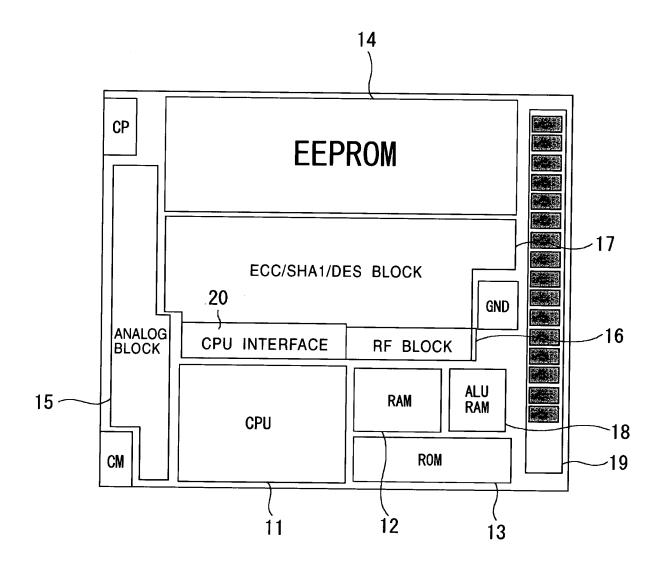
REGISTER GROUP

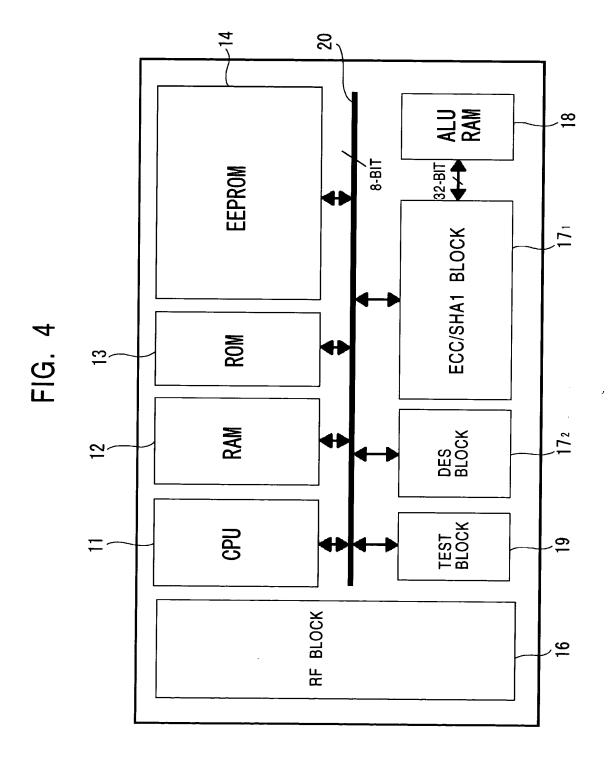
SHA-1
CALCULATION CORE
CIRCUIT

DES
CALCULATION CORE
CIRCUIT

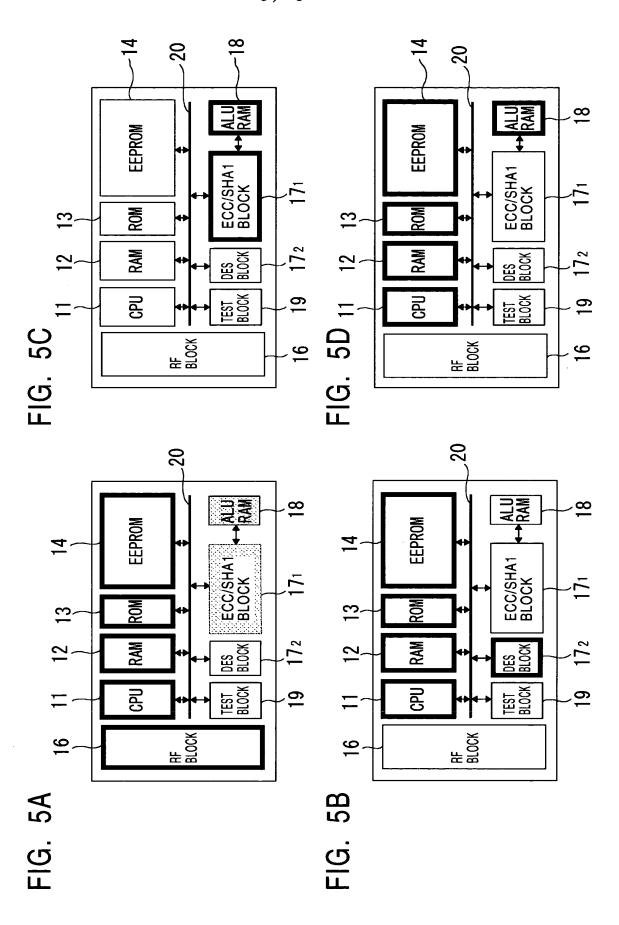
CIRCUIT

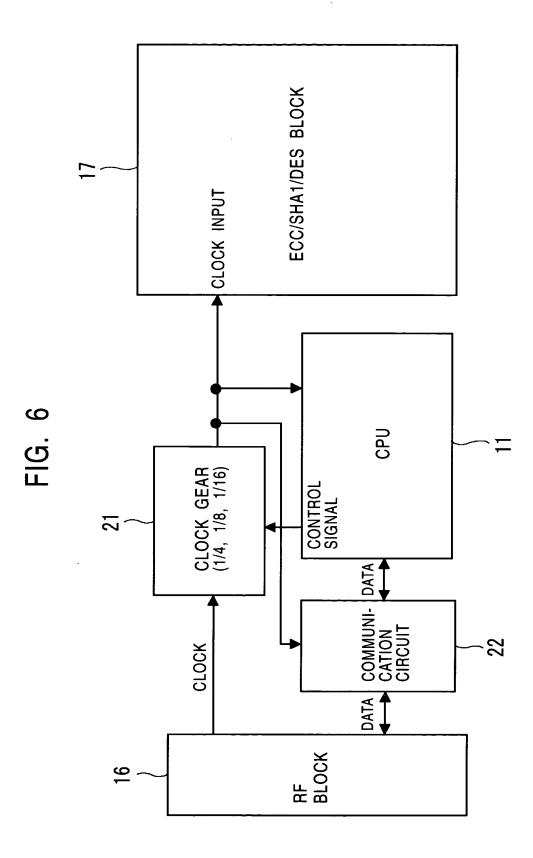
FIG. 3





5/8





7 / 8

